

(FILE 'HOME' ENTERED AT 16:49:40 ON 23 MAY 2001)

FILE 'CAPLUS' ENTERED AT 16:49:47 ON 23 MAY 2001

L1 12 S OOCYTE?(P) (SNAP OR NITROSOACETYL PENICILLAMINE)  
L2 11 S L-NAME AND OOCYTE?  
L3 902399 S HUMAN  
L4 4 S L2 AND L3  
L5 76 S L-NAME AND (TOPICAL? OR VAGINAL?)  
L6 71 S L-NAME (P) (TOPICAL? OR VAGINAL?)  
L7 2 S L-NAME (P) VAGINAL?  
L8 27 S L-NAME (P) TOPICALLY  
L9 23530 S OOCYTE?  
L10 0 S L8 AND L9  
L11 37068 S FERTILIZATION  
L12 0 S L11 AND L8  
L13 113127 S FERTILIZ?  
L14 0 S L8 AND L13  
L15 2298 S CONTRACEPTION  
L16 0 S L15 AND L5  
L17 91782 S PREGNAN?  
L18 1 S L17 AND L5  
L19 1193 S NITROARGININE  
L20 0 S L15 AND L19  
L21 12 S L17 AND L19  
L22 1 S L1 AND L3

FILE 'REGISTRY' ENTERED AT 17:30:12 ON 23 MAY 2001

L23 0 S NITROSOPENICILLAMINE/CN  
L24 1 S S-NITROSOPENICILLAMINE/CN

FILE 'CAPLUS' ENTERED AT 17:31:31 ON 23 MAY 2001

FILE 'REGISTRY' ENTERED AT 17:31:39 ON 23 MAY 2001

SET SMARTSELECT ON  
L25 SEL L24 1- CHEM : 2 TERMS  
SET SMARTSELECT OFF

FILE 'CAPLUS' ENTERED AT 17:31:43 ON 23 MAY 2001

L26 34 S L25  
L27 23530 S OOCYTE?  
L28 0 S L26 AND L27  
L29 131380 S FERTILI?  
L30 0 S L29 AND L26  
L31 13694 S VAGIN?  
L32 0 S L31 AND L26  
L33 91782 S PREGNAN?  
L34 0 S L33 AND L26

FILE 'REGISTRY' ENTERED AT 17:34:47 ON 23 MAY 2001  
L35 1 S S-NITROSOACETYL PENICILLAMINE/CN

FILE 'CAPLUS' ENTERED AT 17:35:29 ON 23 MAY 2001

FILE 'REGISTRY' ENTERED AT 17:35:37 ON 23 MAY 2001  
SET SMARTSELECT ON

L36 SEL L35 1- CHEM : 8 TERMS  
SET SMARTSELECT OFF

FILE 'CAPLUS' ENTERED AT 17:35:48 ON 23 MAY 2001

L8 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2001 ACS

AB The effect of **nitric oxide** (NO) on follicular development and ovulation was studied. Follicular fluid was individually collected from 23 women undergoing IVF treatment. The concn. of NO, IL-1.beta., estradiol (E2), and progesterone (P) was assayed with Fluorometry, ELISA, and RIA. Follicular NO was significantly correlated with follicular IL-1.beta. concns. ( $r = 0.49$   $P < 0.001$ ) and was also significantly and pos. correlated with the no. of **oocytes** retrieved ( $r = 0.62$ ,  $P < 0.01$ ) and serum E2 ( $r = 0.46$   $P < 0.05$ ). A certain level of NO was present in follicular fluid during **human** periovulatory period. It might be regulated by IL-1.beta..

ACCESSION NUMBER: 1998:808465 CAPLUS

DOCUMENT NUMBER: 130:180522

TITLE: Analysis of **nitric oxide** in follicles fluid during periovulatory period  
Meng, Tao; Kodama, Hideya; Tanaka, Toshinobu; Qu, Lurong

AUTHOR(S):  
CORPORATE SOURCE: Department of Obstetrics + Gynecology, The Second Clinical College, China Medical University, Shenyang, 110003, Peop. Rep. China

SOURCE: Zhongguo Yike Daxue Xuebao (1998), 27(4), 391-393  
CODEN: ZYDXEN; ISSN: 0258-4646

PUBLISHER: Zhongguo Yike Daxue  
DOCUMENT TYPE: Journal

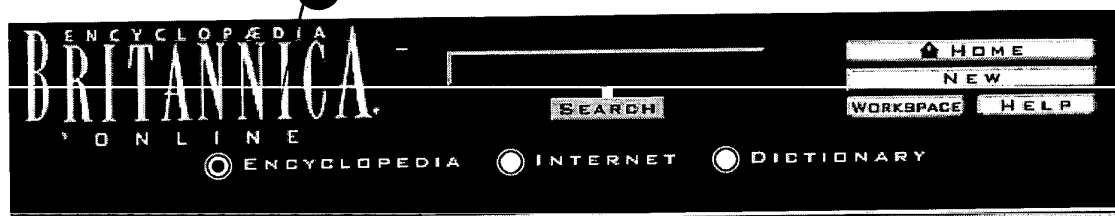
LAN

→ *Chinex*

*Some links for human  
Oocyte  
and NO.*

L37  
L38

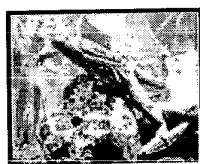
3969 S L36  
14 L37 AND L27



## ARTICLE

Format for Printing

# clawed frog



Platanna (*Xenopus laevis*)

also called AFRICAN CLAWED FROG (genus *Xenopus*), any member of 6 to 14 species of tongueless, aquatic African frogs (family Pipidae) having small black claws on the inner three toes of the hind limbs.

*Xenopus* species are generally dull-coloured. Their bodies are relatively flat and bear whitish fringelike mucus canals that serve as sensory organs. When feeding they hang just below the surface of stagnant or slow-flowing muddy waters with outspread forelimbs, waiting for prey to pass by. Because they are tongueless, they rely on the forelimbs to guide food to their mouths, with additional aid from the rapid forward thrust of their powerful hind limbs. Considered among the more primitive species of frogs, *Xenopus* species have a simple egg-laying strategy: eggs are scattered individually over submerged vegetation.

*Xenopus* was once widely used for tests for human pregnancy because researchers found that young female clawed frogs would lay eggs when injected with minute quantities of a human hormone found in the urine of pregnant women. Though other types of pregnancy tests have since proved more reliable, *Xenopus* is still used in embryological and anatomical research.

One of the more important species is the platanna (*X. laevis*) of southern Africa, a smooth-skinned frog about 13 cm (5 inches) long. It is a valuable mosquito control because it eats the eggs and young of these insects. Native to sub-Saharan Africa, *X. laevis* was introduced to the United States and Britain.

## INTERNET LINKS

Search for related Internet links that use the term "clawed frog".

## INDEX ENTRY

Information about this topic in other articles

## ON THIS TOPIC

- ▶ ARTICLE
- ▶ INDEX ENTRY
- ▶ IMAGES
- ▶ INTERNET LINKS

## RELATED TOPICS

## more general

- frog
- Pipidae

## more specific species

- platanna

BEST AVAILABLE COPY

## clawed frog (amphibian)

- property of hair cells
- use in human pregnancy test

---

### To cite this page:

"clawed frog" *Encyclopædia Britannica Online*.

<<http://www.search.eb.com/bol/topic?eu=24647&sctn=1>>

[Accessed 23 May 2001].

Copyright © 1994-2001 Encyclopædia Britannica, Inc.

---

